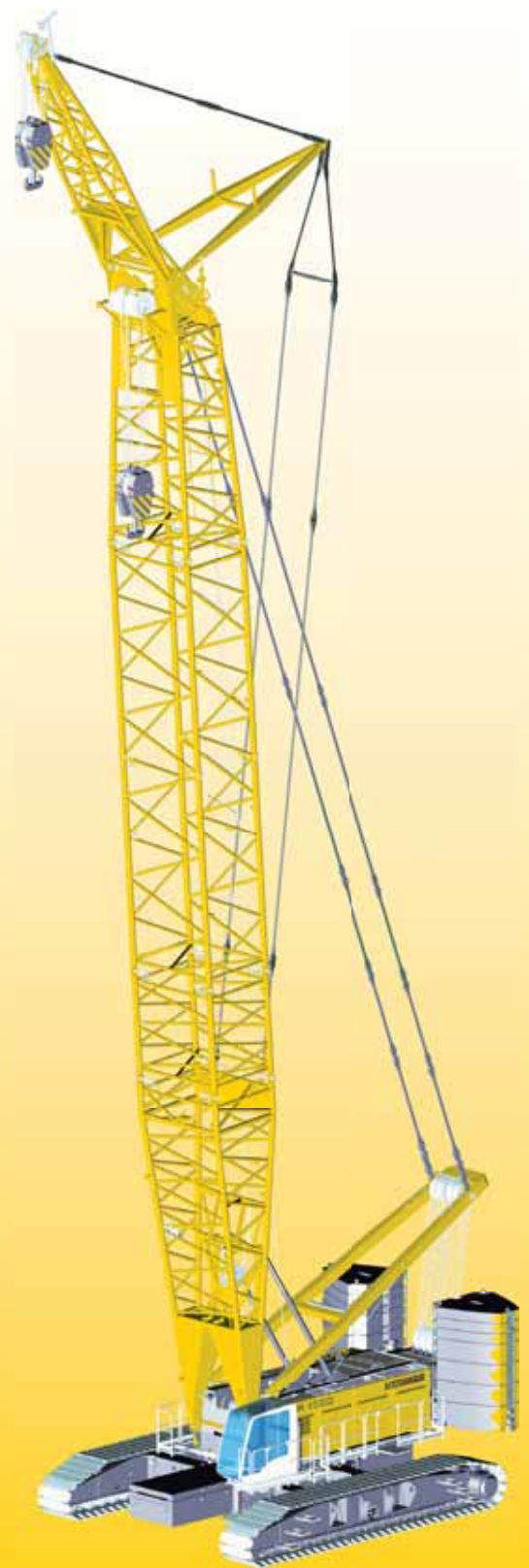




# Technical data Hydraulic lift crane

# LR 1300 W

Litronic®

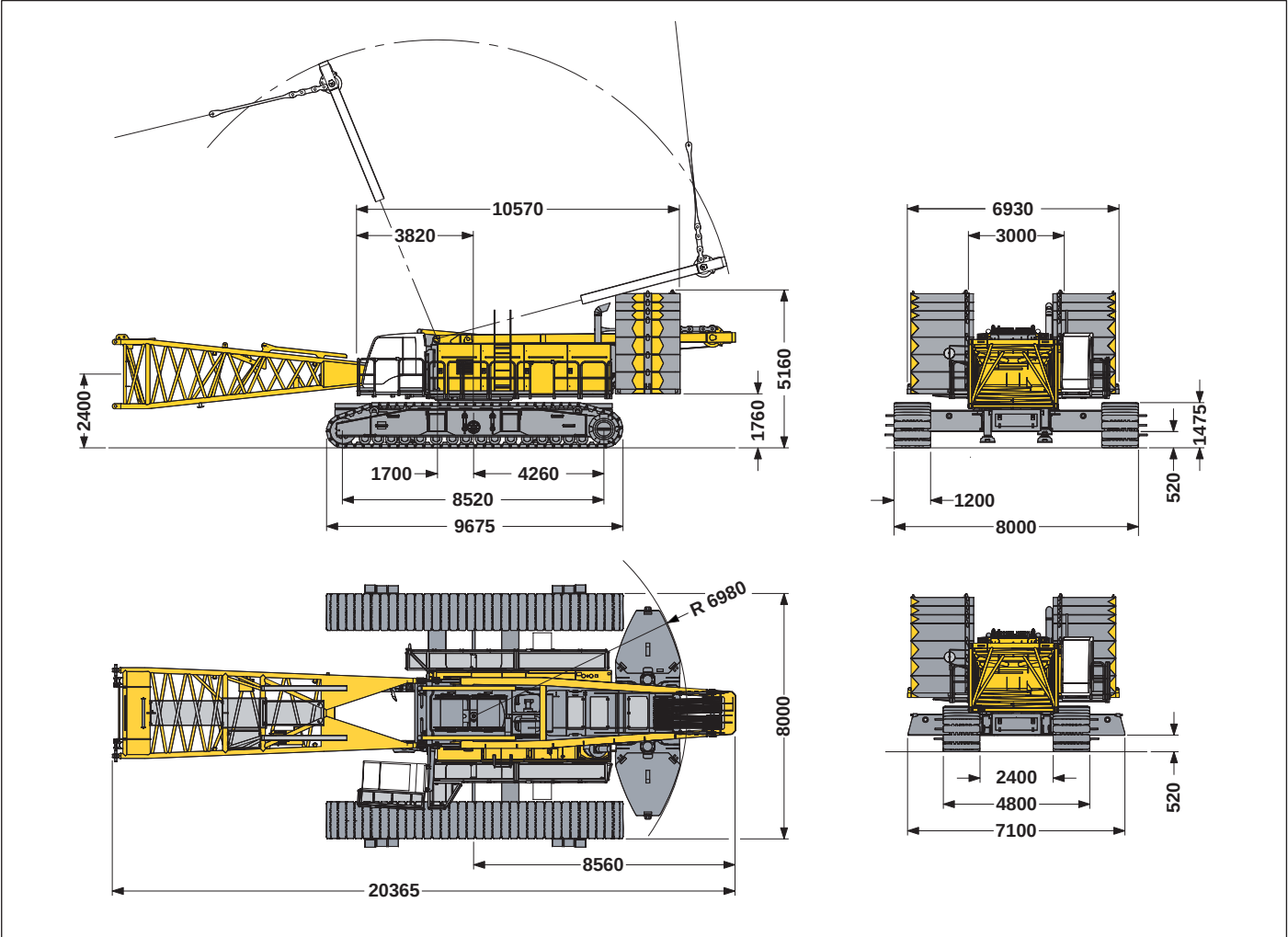


# LIEBHERR



# Dimensions

## Basic machine with undercarriage



### Operating weight

The operating weight includes the basic machine with crawlers, 2 main winches 150 kN and 20 m main boom, consisting of A-frame, boom foot (10 m), boom head (7 m), boom extension (3 m), 124 t basic counterweight, 52.6 t carbody counterweight and 300 t hook block.

Total weight \_\_\_\_\_ approx. 290 t

### Ground pressure

Ground bearing pressure \_\_\_\_\_ 1.45 kg/cm<sup>2</sup>

### Equipment

|                                     |      |
|-------------------------------------|------|
| Main boom (No. 2821.xx) max. length | 98 m |
| Fixed jib (No. 0907.xx)             | 7 m  |
| Fixed jib (No. 1507.xx)             | 8 m  |
| Derrick (No. 2220.xx) max. length   | 30 m |
| Auxiliary jib                       | 36 t |

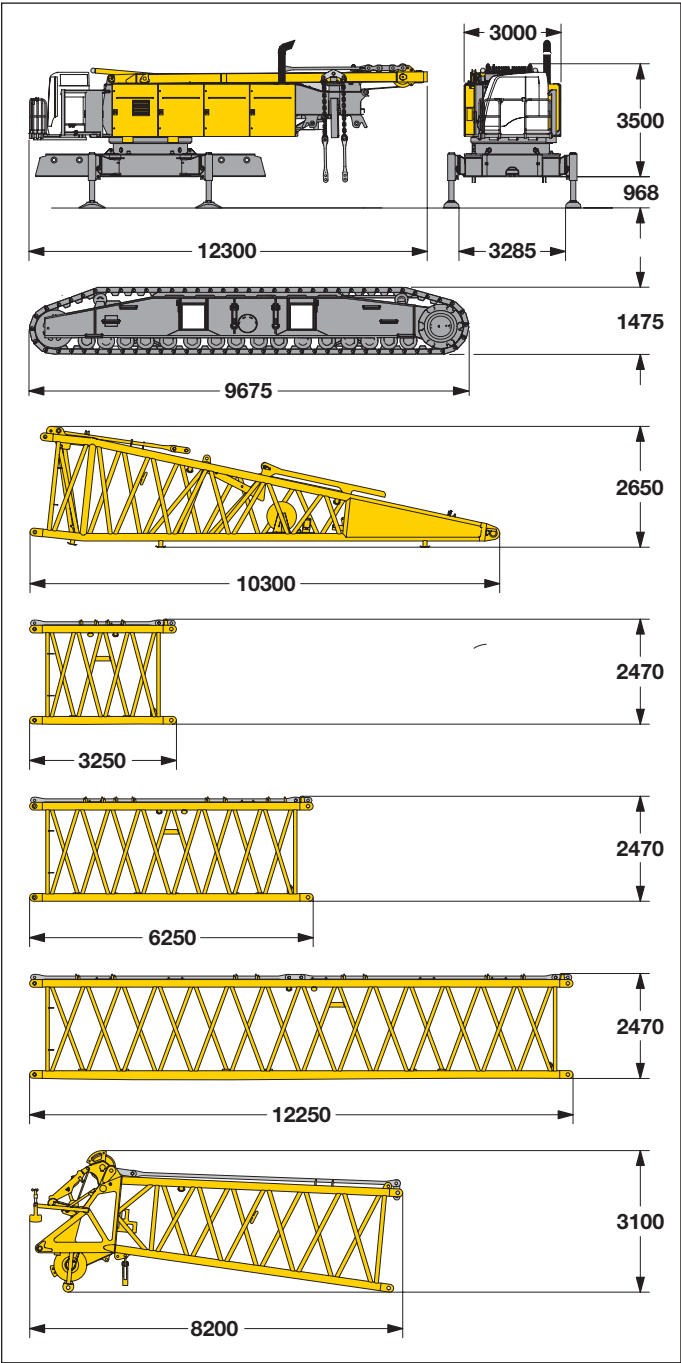
### Remarks

1. The lifting capacities stated are valid for lifting operation only (corresponding with crane classification according to F.E.M. 1.001. crane group A1).
2. Crane standing on firm, horizontal ground.
3. The weight of the lifting device (hoisting ropes, hook block, shackle etc.) must be deducted form the gross lifting capacity to obtain a net lifting value.
4. Additional equipment on boom (e.g. boom walkways, auxiliary jib) must be deducted to get the net lifting capacity.
5. For max. wind speed please refer to lift chart in operator's cab or manual.
6. Working radii are measured from center of swing and under load.
7. The lifting capacities are valid for 360 degrees of swing.
8. Calculation of stability under load is based on DIN 15019 / part 2 / chart 1 and ISO 4305 Table 1 + 2, tipping angle 4°.
9. The structures are calculated according to F.E.M. 1.001 - 1998 (EN 13001-1; EN 13001-2).



# Transport dimensions and weights

Basic machine and boom (No. 2821.xx)



\*) Including pendants

## Basic machine

with A-frame, 2x 150 kN crane winches, without boom foot, hoisting ropes, basic counterweight and crawlers

|        |          |
|--------|----------|
| Width  | 3000 mm  |
| Weight | 46500 kg |

## Crawler

|                  |          |
|------------------|----------|
| Flat track shoes | 1200 mm  |
| Width            | 1200 mm  |
| Weight           | 23000 kg |

## Boom foot (No. 2821.30)

|                             |         |
|-----------------------------|---------|
| Width                       | 2970 mm |
| Weight without winch        | 5700 kg |
| Weight incl. winch and rope | 7400 kg |

## Boom section (No. 2821.24)

3 m

|         |         |
|---------|---------|
| Width   | 2970 mm |
| Weight* | 1200 kg |

## Boom section (No. 2821.24)

6 m

|         |         |
|---------|---------|
| Width   | 2970 mm |
| Weight* | 1900 kg |

## Boom section (No. 2821.24)

12 m

|         |         |
|---------|---------|
| Width   | 2970 mm |
| Weight* | 3350 kg |

## Boom head (No. 2821.24)

|         |         |
|---------|---------|
| Width   | 2970 mm |
| Weight* | 5400 kg |

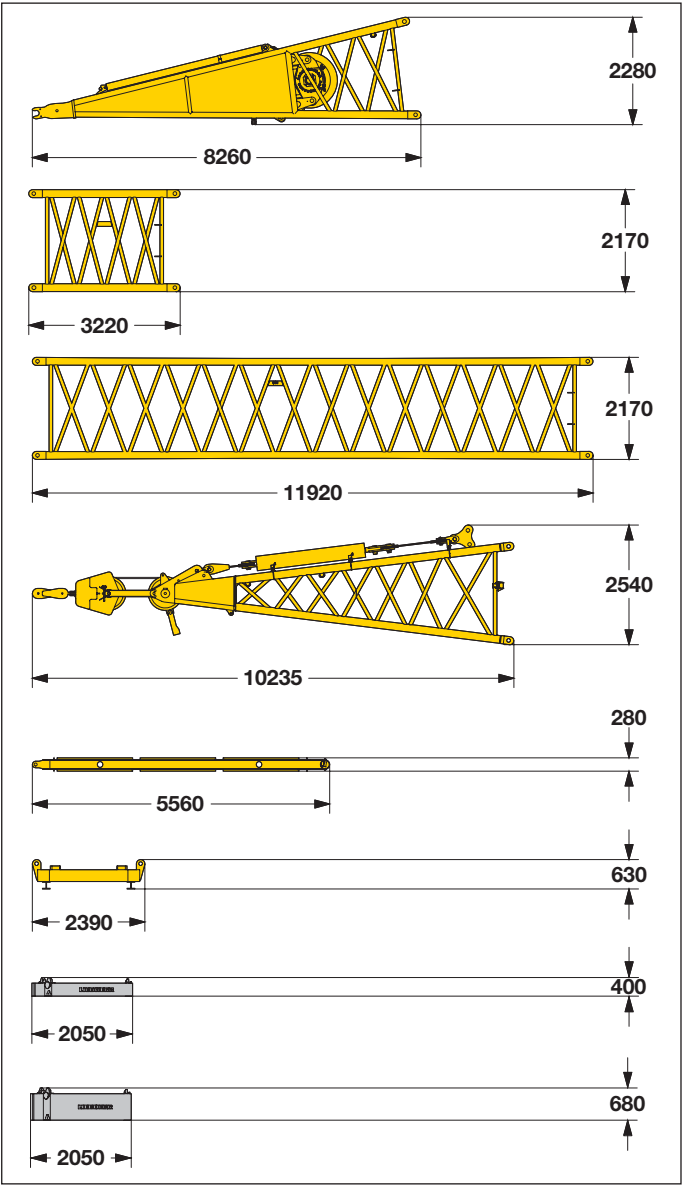
## Boom - luffing jib transport option

|                     |       |      |         |
|---------------------|-------|------|---------|
| No. 2821.xx/2316.xx | 12/12 | 6/6  | 3/3 m   |
| Length              | 12500 | 6250 | 3250 mm |
| Weight*             | 5150  | 2850 | 1810 kg |



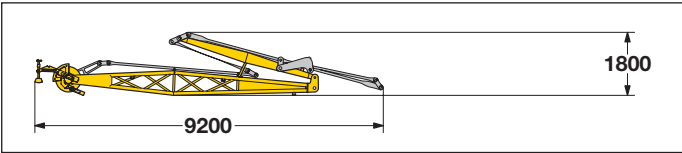
# Transport dimensions and weights

## Derrick (No. 2220.xx)



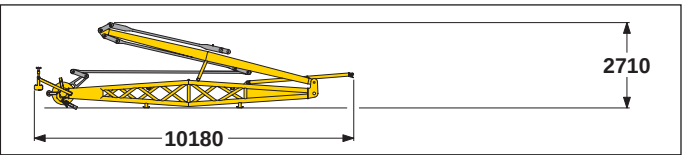
\*) including pendant straps; \*\*) including ballast ropes

## Fixed jib (No. 0906.21)



\*) including pendants

## Fixed jib (No. 1507.20)



\*) including carbon fibre pendants

### Derrick foot (No. 2220.24)

|                   |         |
|-------------------|---------|
| Width             | 2420 mm |
| Weight incl. rope | 7800 kg |

### Derrick section (No. 2220.24)

|         |         |
|---------|---------|
| Width   | 2420 mm |
| Weight* | 1030 kg |

### Derrick section (No. 2220.22)

|         |         |
|---------|---------|
| Width   | 2420 mm |
| Weight* | 2560 kg |

### Derrick head (No. 2220.22)

|         |         |
|---------|---------|
| Width   | 2420 mm |
| Weight* | 5400 kg |

### Spacer frame

|         |         |
|---------|---------|
| Width   | 2470 mm |
| Weight* | 495 kg  |

### Counterweight frame

|          |          |
|----------|----------|
| Width    | 5050 mm  |
| Weight** | 14360 kg |

### Counterweight (5 t)

|         |         |
|---------|---------|
| Width   | 2120 mm |
| Weight* | 5000 kg |

### Counterweight (10 t)

|         |          |
|---------|----------|
| Width   | 2120 mm  |
| Weight* | 10000 kg |

### Fixed jib (No. 0906.21)

|         |         |
|---------|---------|
| Width   | 1500 mm |
| Weight* | 2400 kg |

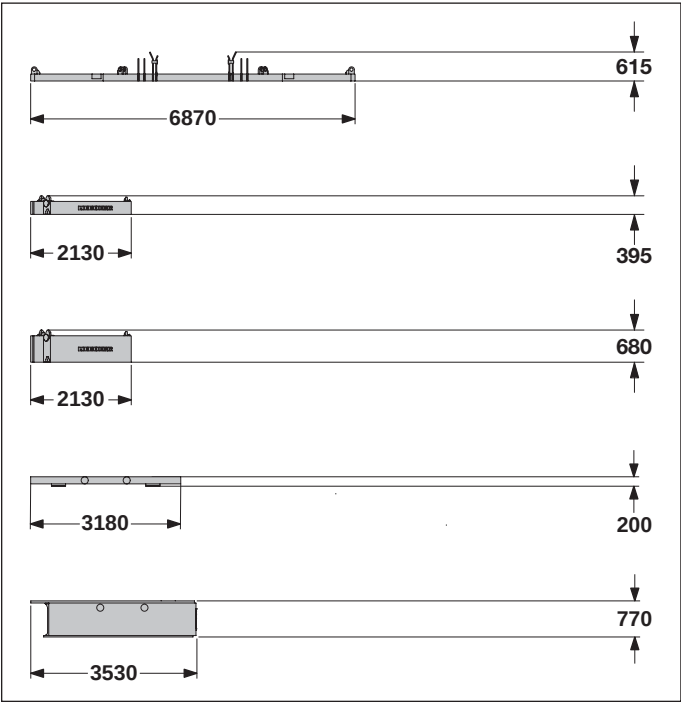
### Fixed jib (No. 1507.20)

|         |         |
|---------|---------|
| Width   | 2470 mm |
| Weight* | 3300 kg |



# Transport dimensions and weights

## Counterweights



| Counterweight 1x |          |
|------------------|----------|
| Width            | 2110 mm  |
| Weight           | 14500 kg |

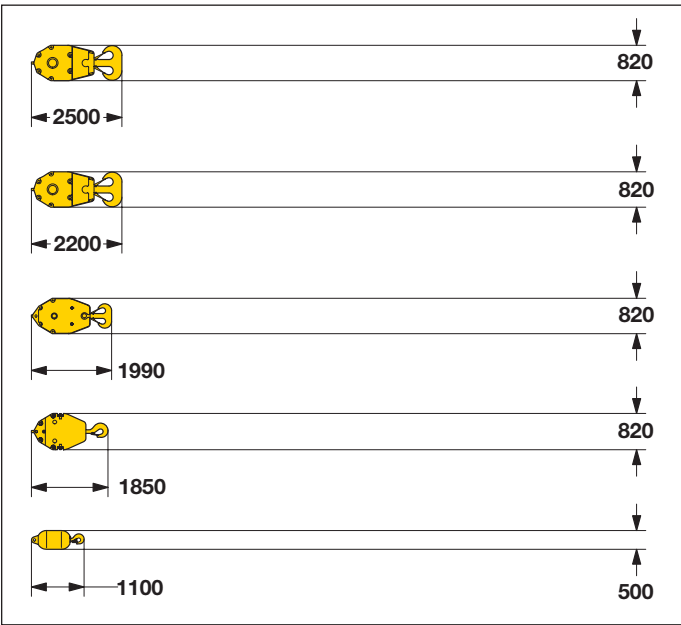
| Counterweight 6x |         |
|------------------|---------|
| Width            | 2110 mm |
| Weight           | 5000 kg |

| Counterweight 8x |          |
|------------------|----------|
| Width            | 2110 mm  |
| Weight           | 10000 kg |

| Carbody counterweight 2x |         |
|--------------------------|---------|
| Width                    | 1800 mm |
| Weight                   | 6200 kg |

| Carbody counterweight 2x |          |
|--------------------------|----------|
| Width                    | 1800 mm  |
| Weight                   | 20100 kg |

## Hooks



| 300 t hook block - 11 sheaves |              |
|-------------------------------|--------------|
| Width                         | 880 1230 mm  |
| Weight                        | 3200 5500 kg |

| 160 t hook block - 5 sheaves |                   |
|------------------------------|-------------------|
| Width                        | 500 660 820 mm    |
| Weight                       | 1600 2800 4000 kg |

| 100 t hook block - 3 sheaves |                   |
|------------------------------|-------------------|
| Width                        | 340 480 620 mm    |
| Weight                       | 1100 2050 3000 kg |

| 50 t hook block - 1 sheave |                  |
|----------------------------|------------------|
| Width                      | 280 410 540 mm   |
| Weight                     | 800 1600 2400 kg |

| 16 t single hook |        |
|------------------|--------|
| Width            | 500 mm |
| Weight           | 900 kg |



# Technical description



## Engine

Power rating according to ISO 9249, 450 kW (603 hp) at 1900 rpm  
Engine type ————— Liebherr D 9508 A7  
Fuel tank ————— 900 l capacity with continuous level indicator and reserve warning  
Engine complies with NRMM exhaust certification EPA / CARB Tier 3 and 97/68 EC Stage III.



## Hydraulic system

An axial displacement pump supplies the open loop hydraulic system for boom luffing, jib luffing and travel. The main hoist winches and swing are operated in a closed loop system. All functions can be operated simultaneously. To minimize peak pressure an automatic working pressure cut-off has been installed. All filters are electronically monitored.  
The use of synthetic environmentally friendly (biodegradable) oils is possible.  
Working pressure ————— max. 350 bar  
Oil tank capacity ————— 900 l



## Boom winch

Line pull ————— max. 217 kN  
Rope diameter ————— 24 mm  
Boom up ————— 127 sec. from 15° to 86°



## Swing

Consists of rollerbearing with external teeth, swing drive with fixed axial piston hydraulic motor, spring loaded and hydraulically released multi-disc holding brake, planetary gearbox and pinion.  
Both swing modes are possible – speed control or free swing.  
A multi-disc holding brake acts automatically at zero swing motion.  
Swing speed from 0 – 1.8 rpm continuously variable.



## Main winches

Line pull (1st layer) ————— max. 215 kN  
Line pull (7th layer) ————— 150 kN  
Rope diameter ————— 28 mm  
Drum diameter ————— 730 mm  
Rope speed m/min ————— 0 – 138  
Rope capacity in 7 layers ————— 570 m  
The winches are outstanding in their compact design and easy assembly.  
Propulsion is via a planetary gearbox in an oil bath.  
Load support by the hydraulic system; additional safety factor provided by a spring loaded, multi-disc holding brake.  
The main winches use pressure controlled, variable flow hydraulic motors.  
This system features sensors that automatically adjust oil flow to provide max. winch speed depending on load.  
Option – winch with freefall system:  
Clutch and braking functions on the freefall system are provided by a compact designed, low wear and maintenance free multi-disc brake.



## Crawlers

Propulsion through axial piston motor, hydraulically released spring loaded multi-disc brake, crawler tracks, hydraulic chain tensioning device.  
Flat track shoes ————— 1200 mm (optional 1500 mm)  
Drive speed ————— 0 – 1.3 km/h



## Control

The control system – developed and manufactured by Liebherr – is designed to withstand extreme environmental conditions such as temperature, vibration and electromagnetic interference and to meet all requirements that are needed in heavy duty crane operation.  
Complete machine operating data are shown on a high resolution display. Standard operational information is displayed by means of graphical symbols, fault indications are displayed in plain text (more than 15 languages available).  
The cranes are equipped with proportional control for all main movements, which can be carried out simultaneously.  
The crane is operated with 2 multi-directional joysticks, the right for winch I and boom, the left for winch II and swing control.  
Option:  
Bi-directional double T-levers for simultaneous boom and luffing jib operation.  
The crawlers are activated by the two foot pedals. Additionally, hand levers can be attached to the pedals.  
Remote control for assembly of counterweight and boom hinge pins.

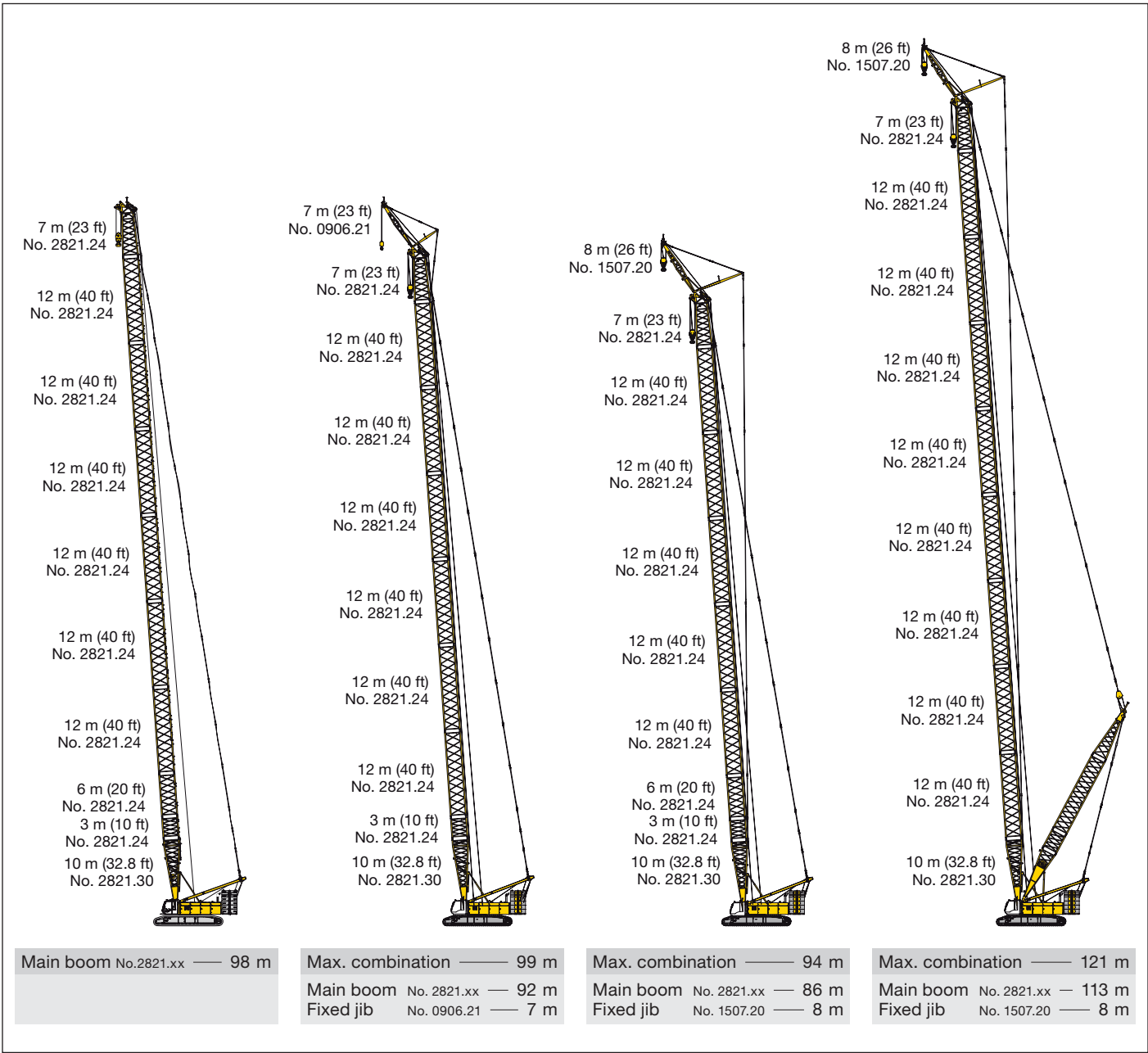


## Noise emission

Noise emissions correspond with 2000/14/EC directive on noise emission by equipment used outdoors.



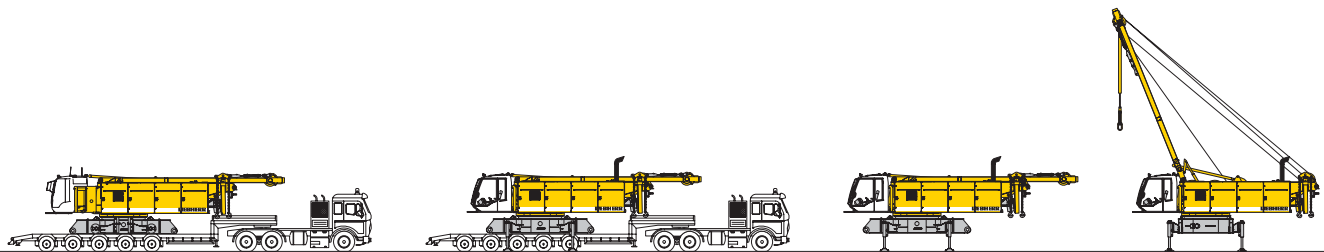
# Boom combinations



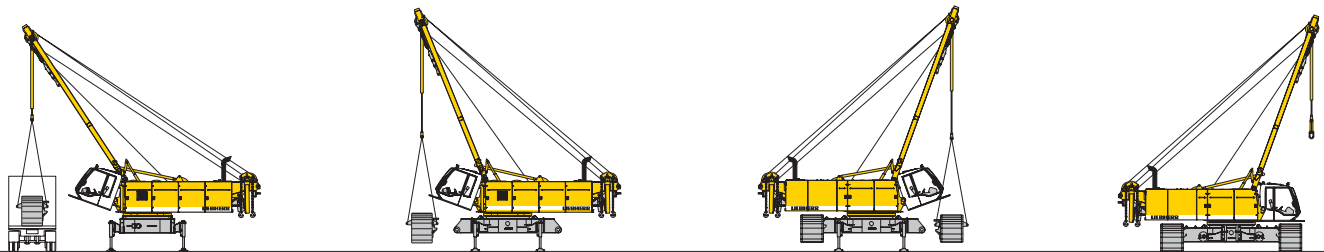




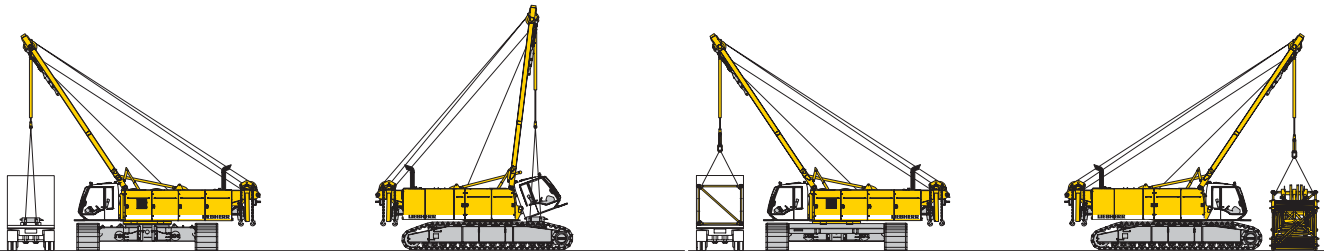
# Self assembly system



Unloading of basic machine

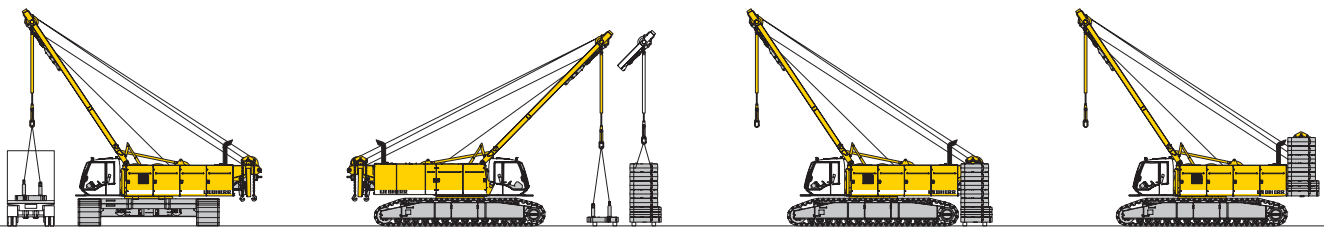


Unloading and assembly of crawlers



Unloading and assembly of carbody counterweight

Unloading and assembly of boom



Unloading and assembly of counterweight

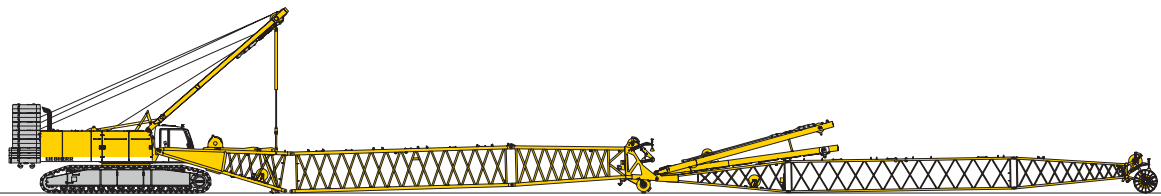


Unloading and assembly of boom foot

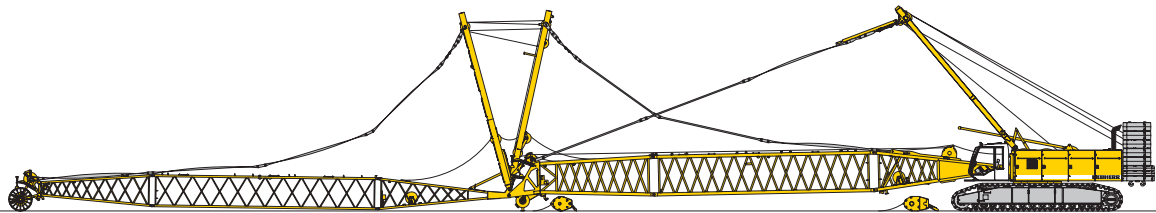




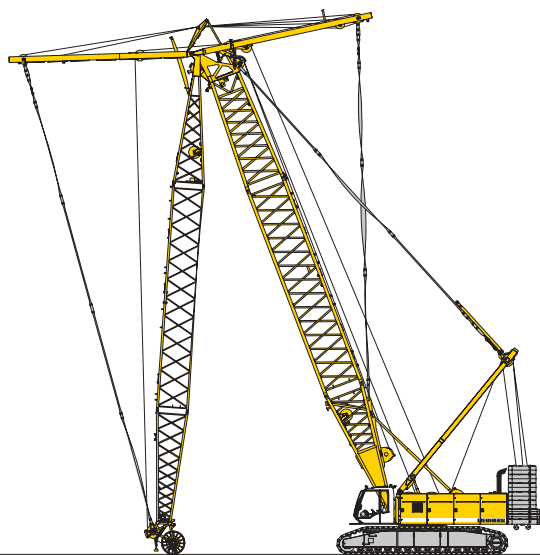
# Erecting of main boom to working position



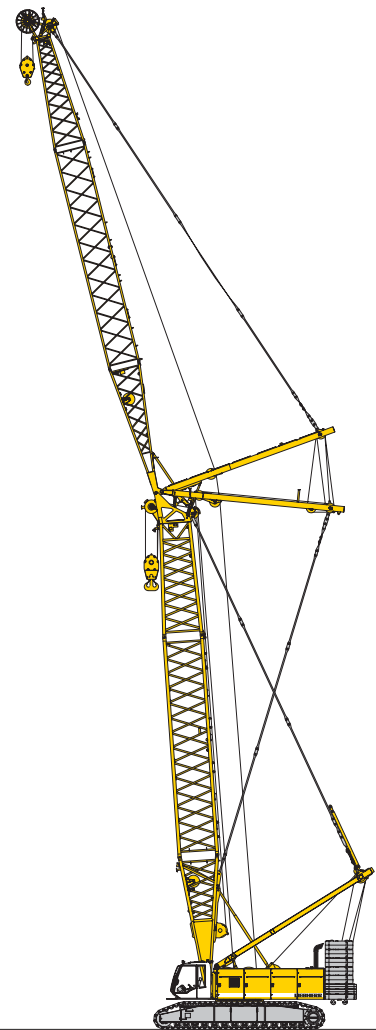
Assembly of boom



Reeving of hoist and luffing jib ropes

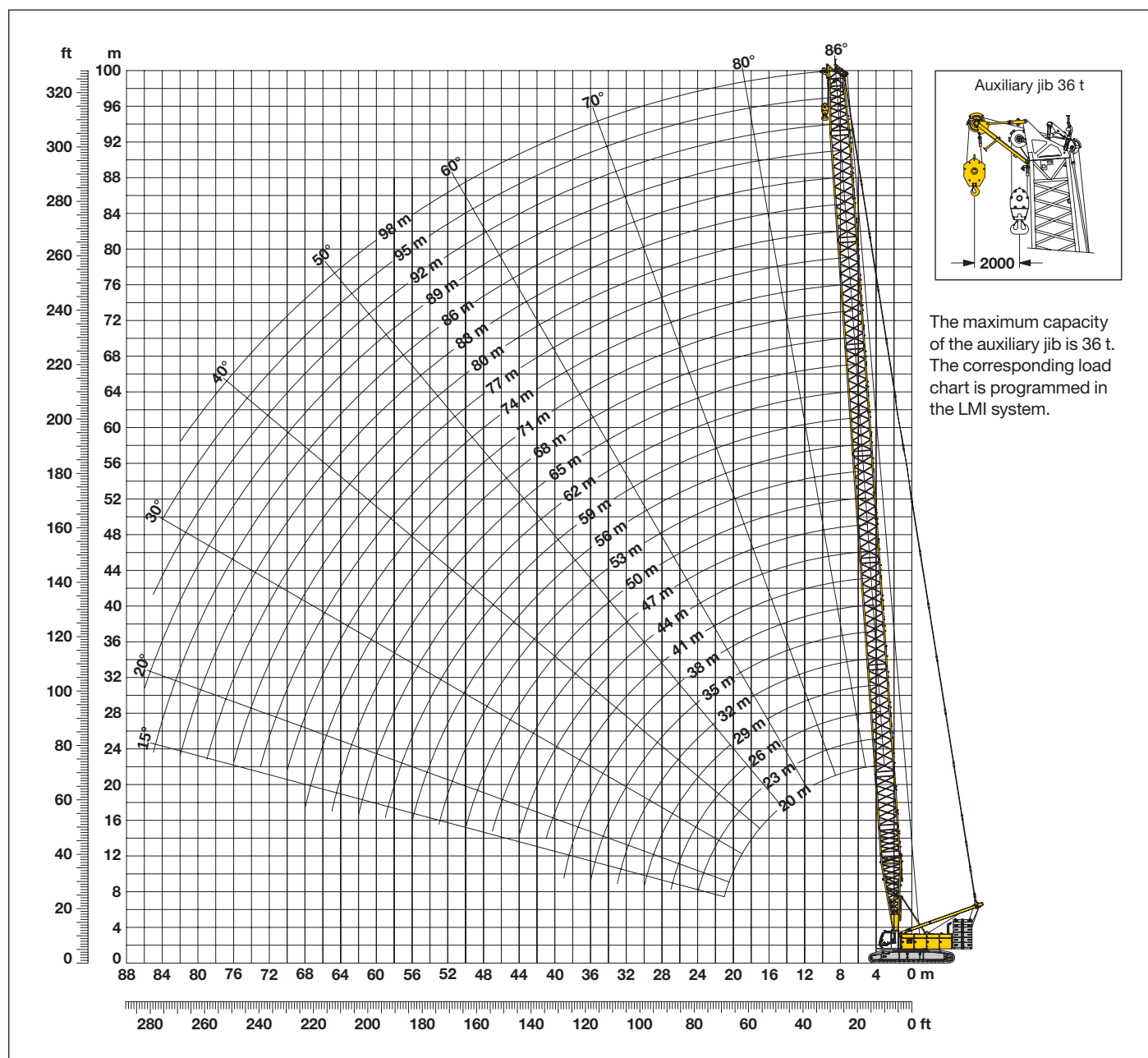


Erecting of main boom and luffing jib



Working position

## 124 t counterweight and 52.6 t carbody counterweight



## Main boom configuration (Table 1 – No. 2821.xx)

(Table 1 – No. 2821.xx)

| Configuration for boom lengths between 20 m and 98 m |        |                           |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|------------------------------------------------------|--------|---------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
|                                                      | Length | Amount of boom extensions |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Boom foot                                            | 10 m   | 1                         | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |    |
| Boom insert                                          | 3 m    | 1                         |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |    |    |
| Boom insert                                          | 6 m    |                           | 1  | 1  |    |    | 1  | 1  |    |    | 1  | 1  |    |    | 1  | 1  |    |    | 1  | 1  |    |    | 1  | 1  |    |    | 1  |    |
| Boom insert                                          | 12 m   |                           |    |    | 1  | 1  | 1  | 1  | 2  | 2  | 2  | 2  | 3  | 3  | 3  | 3  | 4  | 4  | 4  | 4  | 5  | 5  | 5  | 5  | 6  | 6  | 6  | 6  |
| Boom head                                            | 7 m    | 1                         | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |    |
| Boom length (m)                                      |        | 20                        | 23 | 26 | 29 | 32 | 35 | 38 | 41 | 44 | 47 | 50 | 53 | 56 | 59 | 62 | 65 | 68 | 71 | 74 | 77 | 80 | 83 | 86 | 89 | 92 | 95 | 98 |



Lift chart for main boom

(No. 2821.xx)

104 t counterweight and 52.6 t carbody counterweight

| Radius | Boom length in (m) |       |       |       |       |       |       |       |       |       |       |      |      |      |      | Radius |
|--------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|--------|
|        | 20                 | 23    | 26    | 32    | 38    | 44    | 50    | 56    | 62    | 68    | 74    | 80   | 86   | 92   | 95   |        |
| (m)    | t                  | t     | t     | t     | t     | t     | t     | t     | t     | t     | t     | t    | t    | t    | t    | (m)    |
| 4.3    | 286.2              |       |       |       |       |       |       |       |       |       |       |      |      |      |      | 4.3    |
| 5      | 286.2              | 300.5 | 296.8 |       |       |       |       |       |       |       |       |      |      |      |      | 5      |
| 6      | 258.4              | 259.3 | 257.5 | 245.6 | 237.4 | 212.6 |       |       |       |       |       |      |      |      |      | 6      |
| 7      | 225.6              | 225.6 | 222.7 | 216.1 | 207.6 | 198.5 | 189.6 | 169.5 |       |       |       |      |      |      |      | 7      |
| 8      | 196.1              | 196.0 | 195.7 | 191.4 | 185.2 | 179.2 | 169.5 | 162.2 | 150.4 | 127.8 |       |      |      |      |      | 8      |
| 9      | 173.1              | 173.0 | 172.7 | 172.4 | 166.5 | 161.0 | 153.3 | 145.7 | 138.6 | 125.7 | 109.1 | 97.2 | 83.6 |      |      | 9      |
| 10     | 154.6              | 154.6 | 154.3 | 154.0 | 151.4 | 144.0 | 137.2 | 130.9 | 124.9 | 118.3 | 104.7 | 96.5 | 83.6 | 73.1 | 67.8 | 10     |
| 14     | 107.2              | 107.2 | 106.9 | 106.7 | 103.2 | 99.3  | 95.5  | 91.9  | 88.5  | 85.2  | 82.0  | 79.0 | 74.8 | 67.7 | 63.2 | 14     |
| 16     | 89.3               | 89.5  | 89.5  | 89.5  | 88.6  | 85.5  | 82.4  | 79.5  | 76.7  | 74.0  | 71.3  | 68.8 | 66.4 | 62.2 | 59.0 | 16     |
| 18     | 75.7               | 76.0  | 76.0  | 76.0  | 75.7  | 74.8  | 72.2  | 69.8  | 67.4  | 65.1  | 62.8  | 60.7 | 58.5 | 56.5 | 54.5 | 18     |
| 20     | 65.4               | 65.7  | 65.7  | 65.7  | 65.4  | 65.2  | 64.0  | 61.9  | 59.8  | 57.8  | 55.8  | 54.0 | 52.0 | 50.2 | 49.3 | 20     |
| 24     |                    | 51.0  | 51.1  | 51.2  | 50.9  | 50.6  | 50.2  | 49.8  | 48.4  | 46.8  | 45.2  | 43.6 | 42.0 | 40.5 | 39.8 | 24     |
| 26     |                    |       | 45.7  | 45.9  | 45.6  | 45.3  | 44.9  | 44.5  | 43.9  | 42.5  | 41.0  | 39.5 | 38.1 | 36.7 | 36.0 | 26     |
| 32     |                    |       |       | 34.2  | 34.0  | 33.8  | 33.3  | 32.9  | 32.4  | 32.0  | 31.4  | 30.2 | 28.9 | 27.8 | 27.2 | 32     |
| 38     |                    |       |       |       | 26.3  | 26.2  | 25.8  | 25.4  | 24.8  | 24.4  | 23.8  | 23.3 | 22.5 | 21.5 | 20.9 | 38     |
| 44     |                    |       |       |       |       | 20.7  | 20.4  | 20.0  | 19.5  | 19.0  | 18.5  | 18.0 | 17.4 | 16.8 | 16.3 | 44     |
| 50     |                    |       |       |       |       |       | 16.3  | 16.0  | 15.5  | 15.1  | 14.6  | 14.1 | 13.5 | 13.0 | 12.7 | 50     |
| 55     |                    |       |       |       |       |       |       | 13.4  | 13.0  | 12.5  | 12.0  | 11.5 | 10.9 | 10.4 | 10.1 | 55     |
| 60     |                    |       |       |       |       |       |       |       | 10.8  | 10.3  | 9.8   | 9.3  | 8.7  | 8.2  | 7.9  | 60     |
| 65     |                    |       |       |       |       |       |       |       |       | 8.5   | 8.0   | 7.5  | 6.9  | 6.4  | 6.1  | 65     |
| 70     |                    |       |       |       |       |       |       |       |       |       | 6.4   | 5.9  | 5.4  | 4.8  | 4.6  | 70     |
| 75     |                    |       |       |       |       |       |       |       |       |       |       | 4.6  | 4.0  | 3.4  | 3.0  | 75     |
| 80     |                    |       |       |       |       |       |       |       |       |       |       |      | 2.6  |      |      | 80     |

Lift chart for main boom

(No. 2821.xx)

124 t counterweight and 52.6 t carbody counterweight

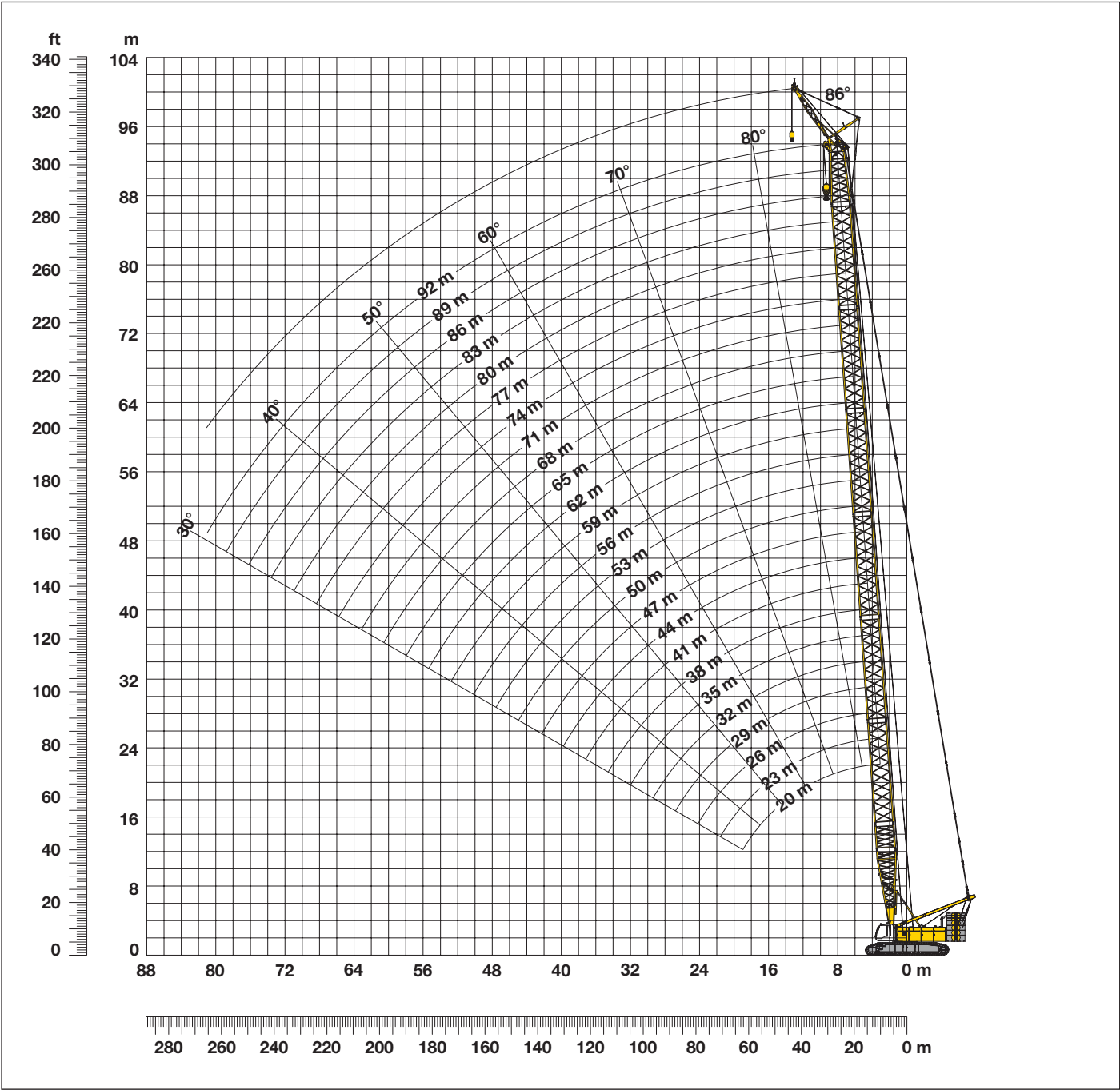
| Radius | Boom length in (m) |       |       |       |       |       |       |       |       |       |       |      |      |      |      | Radius |
|--------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|--------|
|        | 20                 | 23    | 26    | 32    | 38    | 44    | 50    | 56    | 62    | 68    | 74    | 80   | 86   | 92   | 98   |        |
| (m)    | t                  | t     | t     | t     | t     | t     | t     | t     | t     | t     | t     | t    | t    | t    | t    | (m)    |
| 6.8    |                    |       |       |       |       |       |       | 169.5 |       |       |       |      |      |      |      | 6.8    |
| 8      |                    |       |       |       |       |       | 169.5 | 162.2 | 150.4 | 127.8 |       |      |      |      |      | 8      |
| 9      |                    |       |       |       | 166.5 | 161.0 | 155.0 | 147.0 | 139.3 | 125.7 | 109.1 | 97.2 | 83.6 |      |      | 9      |
| 10     |                    |       |       | 156.8 | 152.7 | 146.4 | 140.8 | 135.7 | 128.8 | 118.3 | 104.7 | 96.5 | 83.6 | 73.1 | 63.7 | 10     |
| 12     | 136.9              | 136.9 | 134.9 | 133.1 | 127.8 | 124.7 | 120.3 | 114.9 | 110.0 | 105.1 | 96.1  | 90.9 | 79.5 | 70.8 | 62.7 | 12     |
| 14     | 115.7              | 115.7 | 115.4 | 113.1 | 110.9 | 107.0 | 103.6 | 100.4 | 95.6  | 90.8  | 84.1  | 82.3 | 74.8 | 67.7 | 59.8 | 14     |
| 16     | 99.7               | 99.8  | 99.5  | 98.5  | 96.1  | 94.4  | 90.6  | 87.3  | 84.2  | 80.7  | 75.1  | 72.7 | 67.4 | 62.2 | 57.0 | 16     |
| 18     | 86.0               | 86.2  | 86.2  | 86.2  | 84.7  | 83.1  | 80.9  | 77.2  | 74.4  | 71.5  | 67.9  | 65.8 | 61.7 | 57.1 | 52.6 | 18     |
| 20     | 74.4               | 74.7  | 74.7  | 74.7  | 74.4  | 74.0  | 72.1  | 69.6  | 66.7  | 63.9  | 60.9  | 59.2 | 56.8 | 53.2 | 49.0 | 20     |
| 22     |                    | 65.6  | 65.6  | 65.7  | 65.4  | 65.1  | 64.7  | 63.0  | 60.8  | 57.9  | 55.1  | 53.4 | 51.3 | 48.8 | 46.3 | 22     |
| 24     |                    | 58.2  | 58.3  | 58.4  | 58.1  | 57.9  | 57.4  | 57.1  | 55.4  | 53.1  | 50.5  | 48.6 | 46.5 | 44.4 | 42.1 | 24     |
| 26     |                    |       | 52.3  | 52.5  | 52.2  | 51.9  | 51.4  | 51.1  | 50.6  | 48.7  | 46.5  | 44.8 | 42.6 | 40.6 | 38.5 | 26     |
| 32     |                    |       |       | 39.4  | 39.2  | 39.0  | 38.5  | 38.1  | 37.6  | 37.2  | 36.6  | 35.4 | 33.8 | 32.2 | 30.4 | 32     |
| 38     |                    |       |       |       | 30.6  | 30.5  | 30.1  | 29.7  | 29.1  | 28.7  | 28.1  | 27.6 | 26.9 | 25.9 | 24.6 | 38     |
| 44     |                    |       |       |       |       | 24.4  | 24.1  | 23.7  | 23.2  | 22.7  | 22.1  | 21.6 | 21.1 | 20.6 | 19.6 | 44     |
| 50     |                    |       |       |       |       |       | 19.5  | 19.2  | 18.7  | 18.3  | 17.7  | 17.2 | 16.6 | 16.1 | 15.5 | 50     |
| 55     |                    |       |       |       |       |       |       | 16.2  | 15.8  | 15.3  | 14.8  | 14.3 | 13.8 | 13.2 | 12.6 | 55     |
| 60     |                    |       |       |       |       |       |       |       | 13.4  | 13.0  | 12.4  | 11.9 | 11.4 | 10.8 | 10.2 | 60     |
| 65     |                    |       |       |       |       |       |       |       |       | 10.9  | 10.4  | 9.9  | 9.3  | 8.7  | 7.9  | 65     |
| 70     |                    |       |       |       |       |       |       |       |       |       | 8.6   | 8.1  | 7.4  | 6.7  | 5.9  | 70     |
| 75     |                    |       |       |       |       |       |       |       |       |       |       | 6.3  | 5.6  | 5.0  | 4.2  | 75     |
| 80     |                    |       |       |       |       |       |       |       |       |       |       |      | 4.1  | 3.4  | 2.7  | 80     |
| 85     |                    |       |       |       |       |       |       |       |       |       |       |      | 2.7  | 2.1  |      | 85     |



Working range - main boom

(No. 2821.xx)

Main boom 88° - 30°



Main boom configuration

| Configuration for boom lengths between 20 m and 92 m |        |                           |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|------------------------------------------------------|--------|---------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
|                                                      | Length | Amount of boom extensions |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Boom foot                                            | 10 m   | 1                         | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |    |
| Boom insert                                          | 3 m    | 1                         |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |
| Boom insert                                          | 6 m    |                           | 1  | 1  |    |    | 1  | 1  |    | 1  | 1  |    |    | 1  | 1  |    |    | 1  | 1  |    |    | 1  | 1  |    |    | 1  |
| Boom insert                                          | 12 m   |                           |    |    | 1  | 1  | 1  | 1  | 2  | 2  | 2  | 2  | 3  | 3  | 3  | 3  | 4  | 4  | 4  | 4  | 5  | 5  | 5  | 5  | 6  | 6  |
| Boom head                                            | 7 m    | 1                         | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |
| Boom length (m)                                      |        | 20                        | 23 | 26 | 29 | 32 | 35 | 38 | 41 | 44 | 47 | 50 | 53 | 56 | 59 | 62 | 65 | 68 | 71 | 74 | 77 | 80 | 83 | 86 | 89 | 92 |



Lift chart - fixed jib 7 m

(No. 0906.21) offset 30°

124 t counterweight and 52.6 t carbody counterweight

Main boom 38 m

| Radius (m) | (t)  |
|------------|------|
| 11         | 75.0 |
| 12         | 72.9 |
| 14         | 69.0 |
| 16         | 65.9 |
| 18         | 62.6 |
| 20         | 60.1 |
| 24         | 55.3 |
| 26         | 52.9 |
| 28         | 47.8 |
| 30         | 43.4 |
| 32         | 39.7 |
| 34         | 36.4 |
| 38         | 31.0 |
| 42         | 26.6 |

Main boom 50 m

| Radius (m) | (t)  |
|------------|------|
| 10         | 78.6 |
| 12         | 74.5 |
| 14         | 71.8 |
| 16         | 68.6 |
| 18         | 66.3 |
| 20         | 62.7 |
| 24         | 57.4 |
| 26         | 52.1 |
| 30         | 42.6 |
| 34         | 35.6 |
| 38         | 30.2 |
| 42         | 25.9 |
| 46         | 22.4 |
| 50         | 19.5 |

Main boom 62 m

| Radius (m) | (t)  |
|------------|------|
| 8.5        | 81.5 |
| 12         | 75.5 |
| 14         | 72.9 |
| 16         | 70.5 |
| 18         | 68.0 |
| 20         | 66.0 |
| 24         | 54.8 |
| 26         | 49.9 |
| 30         | 41.8 |
| 34         | 34.7 |
| 38         | 29.4 |
| 42         | 25.0 |
| 50         | 18.6 |
| 60         | 13.0 |

Main boom 68 m

| Radius (m) | (t)  |
|------------|------|
| 8.7        | 80.7 |
| 12         | 75.8 |
| 14         | 73.0 |
| 16         | 70.4 |
| 18         | 65.7 |
| 20         | 62.0 |
| 24         | 53.2 |
| 26         | 48.4 |
| 30         | 40.6 |
| 38         | 28.8 |
| 42         | 24.6 |
| 50         | 18.1 |
| 60         | 12.6 |
| 65         | 10.5 |

Main boom 71 m

| Radius (m) | (t)  |
|------------|------|
| 8.8        | 80.3 |
| 12         | 75.7 |
| 14         | 73.0 |
| 16         | 71.0 |
| 18         | 65.3 |
| 20         | 60.9 |
| 24         | 52.3 |
| 26         | 47.6 |
| 30         | 39.9 |
| 34         | 33.9 |
| 42         | 24.3 |
| 50         | 17.9 |
| 60         | 12.4 |
| 70         | 8.3  |

Main boom 74 m

| Radius (m) | (t)  |
|------------|------|
| 8.9        | 77.6 |
| 12         | 73.3 |
| 14         | 70.3 |
| 16         | 68.2 |
| 18         | 63.3 |
| 20         | 59.0 |
| 24         | 51.5 |
| 26         | 46.8 |
| 30         | 39.2 |
| 34         | 33.3 |
| 42         | 24.1 |
| 50         | 17.6 |
| 60         | 12.1 |
| 70         | 7.9  |

Main boom 77 m

| Radius (m) | (t)  |
|------------|------|
| 9          | 73.7 |
| 12         | 68.7 |
| 14         | 65.2 |
| 16         | 62.7 |
| 18         | 59.3 |
| 20         | 56.0 |
| 24         | 50.7 |
| 26         | 46.1 |
| 30         | 38.6 |
| 34         | 32.7 |
| 42         | 23.8 |
| 50         | 17.4 |
| 60         | 11.9 |
| 75         | 5.9  |

Main boom 80 m

| Radius (m) | (t)  |
|------------|------|
| 9.1        | 68.4 |
| 12         | 63.7 |
| 14         | 60.1 |
| 16         | 57.5 |
| 18         | 54.9 |
| 20         | 52.3 |
| 24         | 48.5 |
| 26         | 45.0 |
| 30         | 37.9 |
| 34         | 32.1 |
| 42         | 23.6 |
| 50         | 17.1 |
| 60         | 11.6 |
| 75         | 5.5  |

Main boom 83 m

| Radius (m) | (t)  |
|------------|------|
| 9.2        | 65.7 |
| 14         | 58.6 |
| 16         | 56.2 |
| 18         | 53.9 |
| 20         | 51.3 |
| 24         | 47.4 |
| 26         | 44.6 |
| 30         | 37.3 |
| 34         | 31.5 |
| 42         | 23.2 |
| 50         | 16.8 |
| 60         | 11.3 |
| 70         | 7.0  |
| 80         | 3.5  |

Main boom 86 m

| Radius (m) | (t)  |
|------------|------|
| 9.4        | 62.3 |
| 14         | 55.8 |
| 16         | 53.4 |
| 18         | 51.6 |
| 20         | 49.3 |
| 24         | 45.7 |
| 26         | 43.8 |
| 30         | 36.6 |
| 34         | 30.9 |
| 42         | 22.7 |
| 50         | 16.5 |
| 60         | 11.0 |
| 70         | 6.6  |
| 80         | 3.2  |

Main boom 89 m

| Radius (m) | (t)  |
|------------|------|
| 9.5        | 58.1 |
| 14         | 51.9 |
| 16         | 49.4 |
| 18         | 47.6 |
| 20         | 45.3 |
| 24         | 41.8 |
| 26         | 40.5 |
| 30         | 35.1 |
| 34         | 30.4 |
| 42         | 22.2 |
| 50         | 16.3 |
| 60         | 10.8 |
| 70         | 6.3  |
| 80         | 2.9  |

Main boom 92 m

| Radius (m) | (t)  |
|------------|------|
| 9.6        | 55.8 |
| 14         | 50.6 |
| 16         | 48.4 |
| 18         | 46.7 |
| 20         | 44.8 |
| 24         | 41.5 |
| 28         | 38.3 |
| 30         | 35.3 |
| 34         | 29.8 |
| 42         | 21.7 |
| 50         | 15.9 |
| 60         | 10.4 |
| 70         | 5.9  |
| 80         | 2.5  |

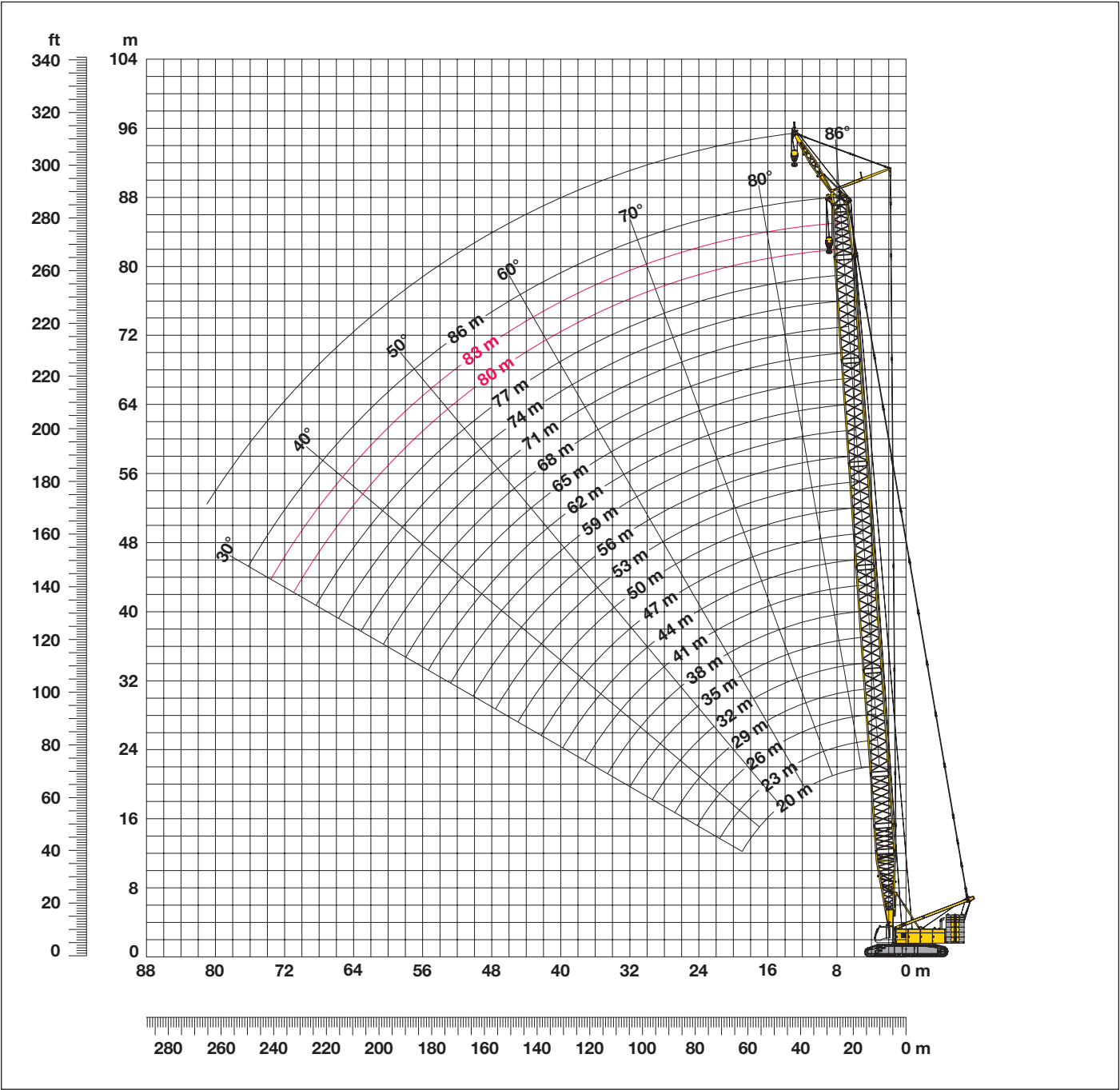
Capacities in metric tons with fixed jib (No. 0906.21) 124 t counterweight + 52.6 t carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.



Working range - main boom

(No. 2821.xx)

Main boom 88° - 20°



Main boom configuration

| Configuration for boom lengths between 20 m and 86 m |        |                           |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |    |
|------------------------------------------------------|--------|---------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|----|
|                                                      | Length | Amount of boom extensions |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |    |
| Boom foot                                            | 10 m   | 1                         | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | x  | x   | 1   |    |
| Boom insert                                          | 3 m    | 1                         |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |    | x   | x   | 1  |
| Boom insert                                          | 6 m    |                           | 1  | 1  |    |    | 1  |    |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |    | x   | x   | 1  |
| Boom insert                                          | 12 m   |                           |    |    | 1  | 1  | 1  | 1  | 2  | 2  | 2  | 2  | 3  | 3  | 3  | 3  | 4  | 4  | 4  | 4  | 5  | x   | x   | 5  |
| Boom head                                            | 7 m    | 1                         | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | x   | x   | 1  |
| Boom length (m)                                      |        | 20                        | 23 | 26 | 29 | 32 | 35 | 38 | 41 | 44 | 47 | 50 | 53 | 56 | 59 | 62 | 65 | 68 | 71 | 74 | 77 | 80* | 83* | 86 |

\*) not possible



Lift chart - fixed jib 8 m

(No. 1507.20) offset 30°

124 t counterweight and 52.6 t carbody counterweight

Main boom 38 m

| Radius (m) | (t)   |
|------------|-------|
| 10         | 116.4 |
| 12         | 114.6 |
| 14         | 102.5 |
| 16         | 93.5  |
| 18         | 82.0  |
| 20         | 73.1  |
| 24         | 58.6  |
| 26         | 52.5  |
| 28         | 47.4  |
| 30         | 43.0  |
| 32         | 39.3  |
| 34         | 36.0  |
| 38         | 30.6  |
| 42         | 26.3  |

Main boom 44 m

| Radius (m) | (t)   |
|------------|-------|
| 10         | 116.5 |
| 12         | 116.5 |
| 14         | 105.2 |
| 16         | 91.2  |
| 18         | 81.0  |
| 20         | 72.0  |
| 24         | 58.3  |
| 26         | 52.2  |
| 30         | 42.7  |
| 34         | 35.6  |
| 38         | 30.2  |
| 42         | 26.0  |
| 46         | 22.4  |
| 48         | 20.8  |

Main boom 50 m

| Radius (m) | (t)   |
|------------|-------|
| 9          | 116.9 |
| 12         | 110.7 |
| 14         | 103.5 |
| 16         | 89.4  |
| 18         | 79.1  |
| 20         | 70.8  |
| 24         | 57.5  |
| 26         | 51.7  |
| 30         | 42.2  |
| 34         | 35.2  |
| 38         | 29.7  |
| 42         | 25.5  |
| 46         | 21.9  |
| 50         | 19.0  |

Main boom 56 m

| Radius (m) | (t)   |
|------------|-------|
| 8.2        | 115.8 |
| 12         | 104.6 |
| 14         | 97.6  |
| 16         | 87.4  |
| 18         | 77.0  |
| 20         | 68.8  |
| 24         | 55.8  |
| 26         | 50.8  |
| 30         | 41.8  |
| 34         | 34.7  |
| 38         | 29.4  |
| 46         | 21.5  |
| 50         | 18.6  |
| 55         | 15.5  |

Main boom 59 m

| Radius (m) | (t)   |
|------------|-------|
| 8.3        | 109.0 |
| 12         | 99.7  |
| 14         | 92.4  |
| 16         | 84.6  |
| 18         | 75.3  |
| 20         | 67.7  |
| 24         | 54.9  |
| 26         | 50.0  |
| 30         | 41.6  |
| 34         | 34.5  |
| 38         | 29.1  |
| 46         | 21.3  |
| 50         | 18.3  |
| 60         | 12.8  |

Main boom 62 m

| Radius (m) | (t)   |
|------------|-------|
| 8.5        | 102.3 |
| 12         | 94.8  |
| 14         | 87.5  |
| 16         | 81.5  |
| 18         | 73.1  |
| 20         | 66.5  |
| 24         | 54.1  |
| 26         | 49.1  |
| 30         | 41.2  |
| 34         | 34.2  |
| 38         | 28.8  |
| 46         | 21.0  |
| 50         | 18.1  |
| 60         | 12.5  |

Main boom 65 m

| Radius (m) | (t)  |
|------------|------|
| 8.6        | 93.9 |
| 12         | 87.5 |
| 14         | 81.6 |
| 16         | 77.5 |
| 18         | 70.2 |
| 20         | 64.4 |
| 24         | 53.3 |
| 26         | 48.4 |
| 30         | 40.5 |
| 38         | 28.6 |
| 46         | 20.8 |
| 50         | 17.9 |
| 60         | 12.3 |
| 65         | 10.2 |

Main boom 68 m

| Radius (m) | (t)  |
|------------|------|
| 8.7        | 88.5 |
| 12         | 82.4 |
| 14         | 76.8 |
| 16         | 72.6 |
| 18         | 67.1 |
| 20         | 61.9 |
| 24         | 52.4 |
| 26         | 47.6 |
| 30         | 39.8 |
| 38         | 28.3 |
| 46         | 20.5 |
| 50         | 17.6 |
| 60         | 12.0 |
| 65         | 9.9  |

Main boom 71 m

| Radius (m) | (t)  |
|------------|------|
| 8.8        | 83.1 |
| 12         | 77.5 |
| 14         | 72.4 |
| 16         | 68.0 |
| 18         | 63.5 |
| 20         | 58.8 |
| 24         | 51.5 |
| 26         | 46.8 |
| 30         | 39.2 |
| 38         | 28.1 |
| 46         | 20.3 |
| 50         | 17.3 |
| 60         | 11.8 |
| 70         | 7.5  |

Main boom 74 m

| Radius (m) | (t)  |
|------------|------|
| 8.9        | 78.3 |
| 12         | 72.9 |
| 14         | 68.2 |
| 16         | 63.6 |
| 18         | 59.7 |
| 20         | 55.0 |
| 24         | 48.2 |
| 26         | 44.7 |
| 30         | 38.2 |
| 38         | 27.8 |
| 46         | 20.0 |
| 50         | 17.0 |
| 60         | 11.5 |
| 75         | 5.3  |

Main boom 77 m

| Radius (m) | (t)  |
|------------|------|
| 9          | 75.6 |
| 12         | 72.5 |
| 14         | 69.9 |
| 16         | 67.0 |
| 18         | 64.6 |
| 20         | 59.1 |
| 24         | 49.9 |
| 26         | 45.3 |
| 30         | 37.8 |
| 38         | 27.4 |
| 42         | 23.3 |
| 50         | 16.8 |
| 60         | 11.3 |
| 75         | 5.1  |

Main boom 86 m

| Radius (m) | (t)  |
|------------|------|
| 9.4        | 64.5 |
| 14         | 61.3 |
| 16         | 59.1 |
| 18         | 57.5 |
| 20         | 54.7 |
| 24         | 46.6 |
| 26         | 43.1 |
| 30         | 35.8 |
| 38         | 25.7 |
| 46         | 18.7 |
| 50         | 15.9 |
| 60         | 10.2 |
| 70         | 5.7  |
| 80         | 2.3  |

Capacities in metric tons with fixed jib (No. 1507.20) 124 t counterweight + 52.6 t carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.



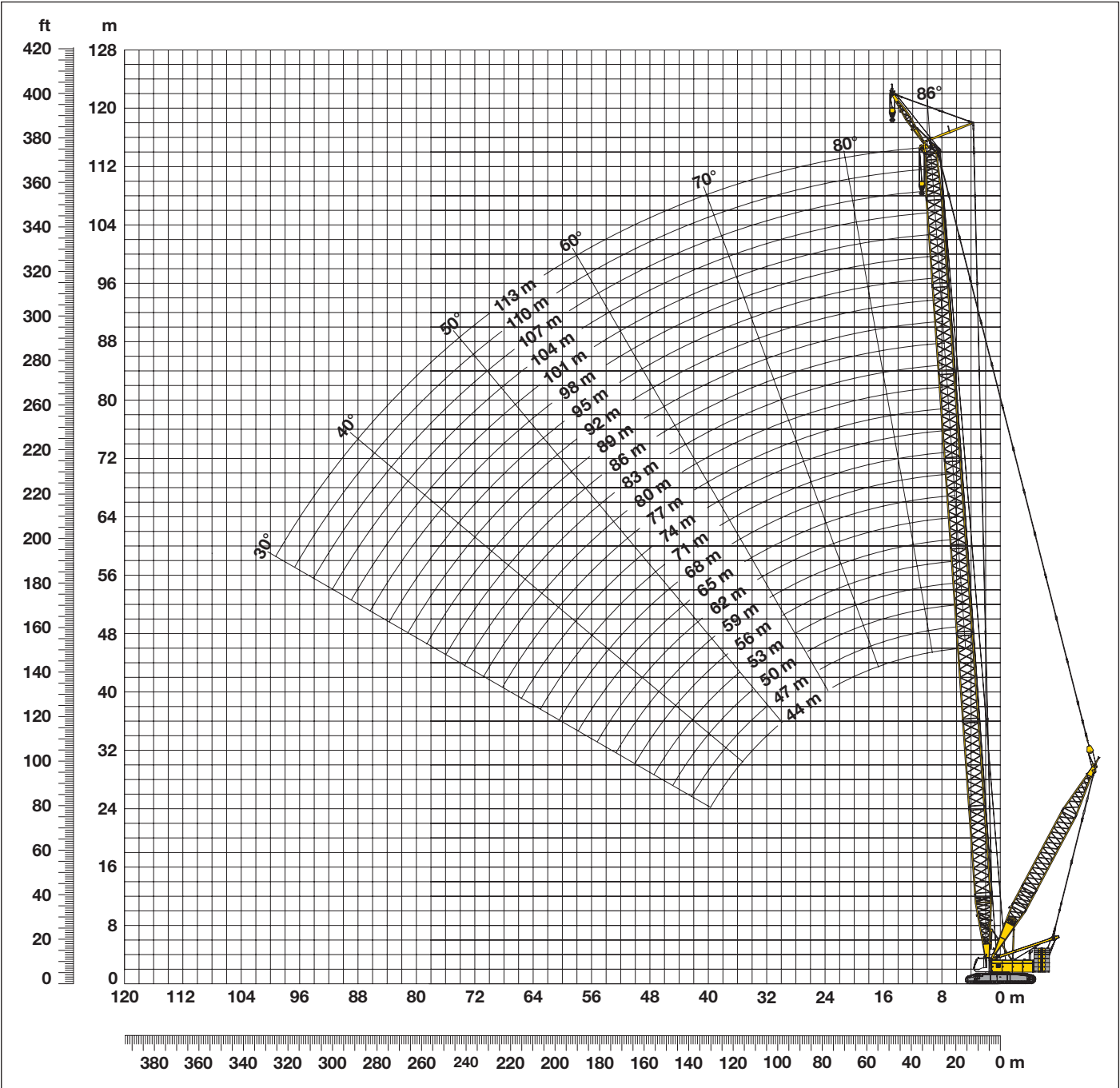


Working range - main boom

(No. 2821.xx)

87° - 30°

124 t counterweight and 52.6 t carbody counterweight



Booms are self-erecting up to a length of 68 m. For boom lengths exceeding 68 m please refer to self-erect charts in load chart manual.

Main boom configuration

| Configuration for boom lengths between 44 m and 113 m |        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |
|-------------------------------------------------------|--------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|
|                                                       | Length |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |
| Boom foot                                             | 10 m   | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1   | 1   | 1   |     |
| Boom section                                          | 3 m    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |    | 1  |     | 1   |     |     |
| Boom section                                          | 6 m    |    | 1  | 1  |    |    | 1  | 1  |    | 1  | 1  |    |    | 1  | 1  |    |    | 1  | 1  |    |     | 1   | 1   |     |
| Boom section                                          | 12 m   | 2  | 2  | 2  | 3  | 3  | 3  | 3  | 4  | 4  | 4  | 4  | 5  | 5  | 5  | 5  | 6  | 6  | 6  | 6  | 7   | 7   | 7   | 8   |
| Boom head                                             | 7 m    | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1   | 1   | 1   |     |
| Boom length (m)                                       |        | 44 | 47 | 50 | 53 | 56 | 59 | 62 | 65 | 68 | 71 | 74 | 77 | 80 | 83 | 86 | 89 | 92 | 95 | 98 | 101 | 104 | 107 | 110 |



Lift chart - fixed jib 8 m

(No. 1507.20) offset 30°

124 t counterweight and 52.6 t carbody counterweight

Main boom 44 m

| Radius (m) | (t)  |
|------------|------|
| 13         | 90.0 |
| 14         | 82.0 |
| 16         | 69.0 |
| 18         | 59.4 |
| 20         | 51.5 |
| 24         | 43.9 |
| 26         | 39.1 |
| 28         | 35.2 |
| 30         | 31.7 |
| 32         | 29.2 |
| 36         | 24.2 |
| 40         | 20.2 |
| 44         | 17.0 |
| 48         | 14.6 |

Main boom 56 m

| Radius (m) | (t)   |
|------------|-------|
| 12         | 100.0 |
| 14         | 81.7  |
| 16         | 68.6  |
| 18         | 58.8  |
| 20         | 50.9  |
| 24         | 39.6  |
| 26         | 35.2  |
| 30         | 31.0  |
| 32         | 28.5  |
| 36         | 23.5  |
| 40         | 19.5  |
| 44         | 16.3  |
| 48         | 13.9  |
| 55         | 10.0  |

Main boom 62 m

| Radius (m) | (t)   |
|------------|-------|
| 11         | 111.8 |
| 12         | 99.8  |
| 14         | 81.4  |
| 16         | 68.3  |
| 18         | 58.5  |
| 20         | 50.4  |
| 24         | 39.1  |
| 26         | 34.7  |
| 30         | 30.5  |
| 36         | 23.0  |
| 40         | 19.0  |
| 48         | 13.4  |
| 55         | 9.5   |
| 60         | 7.3   |

Main boom 68 m

| Radius (m) | (t)   |
|------------|-------|
| 11         | 101.0 |
| 12         | 99.6  |
| 14         | 81.2  |
| 16         | 68.0  |
| 18         | 58.1  |
| 20         | 50.1  |
| 24         | 38.7  |
| 26         | 34.3  |
| 30         | 27.8  |
| 36         | 22.5  |
| 40         | 18.5  |
| 48         | 13.0  |
| 55         | 9.1   |
| 65         | 5.1   |

Main boom 74 m

| Radius (m) | (t)  |
|------------|------|
| 10,4       | 91.2 |
| 12         | 90.5 |
| 14         | 80.8 |
| 16         | 67.6 |
| 18         | 57.7 |
| 20         | 49.6 |
| 24         | 38.2 |
| 26         | 33.8 |
| 30         | 27.3 |
| 36         | 22.0 |
| 40         | 18.0 |
| 48         | 12.4 |
| 65         | 4.5  |
| 70         | 2.9  |

Main boom 80 m

| Radius (m) | (t)  |
|------------|------|
| 10,7       | 81.7 |
| 12         | 80.8 |
| 14         | 79.2 |
| 16         | 67.3 |
| 18         | 57.3 |
| 20         | 49.2 |
| 24         | 37.8 |
| 26         | 33.3 |
| 30         | 26.8 |
| 36         | 21.2 |
| 40         | 17.5 |
| 48         | 11.9 |
| 65         | 4.0  |
| 70         | 2.5  |

Main boom 86 m

| Radius (m) | (t)  |
|------------|------|
| 11         | 72.7 |
| 14         | 70.9 |
| 16         | 66.9 |
| 18         | 56.9 |
| 20         | 48.7 |
| 24         | 37.2 |
| 26         | 32.7 |
| 30         | 26.2 |
| 36         | 18.6 |
| 40         | 16.9 |
| 44         | 14.1 |
| 48         | 11.3 |
| 55         | 7.5  |
| 65         | 3.5  |

Main boom 92 m

| Radius (m) | (t)  |
|------------|------|
| 11,3       | 64.9 |
| 14         | 63.0 |
| 16         | 60.9 |
| 18         | 56.5 |
| 20         | 48.3 |
| 24         | 36.8 |
| 26         | 32.3 |
| 30         | 25.7 |
| 36         | 18.1 |
| 40         | 16.1 |
| 44         | 13.6 |
| 48         | 10.8 |
| 55         | 6.9  |
| 65         | 2.9  |

Main boom 98 m

| Radius (m) | (t)  |
|------------|------|
| 11,7       | 57.7 |
| 14         | 56.0 |
| 15         | 55.4 |
| 16         | 54.4 |
| 18         | 52.9 |
| 20         | 47.8 |
| 24         | 36.2 |
| 26         | 31.7 |
| 30         | 25.1 |
| 36         | 17.5 |
| 40         | 14.2 |
| 48         | 10.2 |
| 55         | 6.3  |
| 65         | 2.3  |

Main boom 104 m

| Radius (m) | (t)  |
|------------|------|
| 12         | 51.1 |
| 14         | 49.9 |
| 16         | 48.4 |
| 18         | 46.7 |
| 20         | 45.4 |
| 24         | 35.8 |
| 26         | 31.2 |
| 30         | 24.6 |
| 36         | 16.9 |
| 40         | 13.6 |
| 44         | 10.5 |
| 48         | 9.6  |
| 55         | 5.7  |
| 60         | 3.5  |

Main boom 110 m

| Radius (m) | (t)  |
|------------|------|
| 12,3       | 45.1 |
| 14         | 44.3 |
| 16         | 42.8 |
| 18         | 41.0 |
| 20         | 39.7 |
| 24         | 35.2 |
| 26         | 30.7 |
| 30         | 24.0 |
| 36         | 16.3 |
| 40         | 13.0 |
| 44         | 9.8  |
| 48         | 8.9  |
| 55         | 5.1  |
| 60         | 2.9  |

Main boom 113 m

| Radius (m) | (t)  |
|------------|------|
| 12,5       | 42.4 |
| 14         | 42.0 |
| 16         | 40.3 |
| 18         | 38.5 |
| 20         | 37.1 |
| 24         | 34.4 |
| 26         | 30.5 |
| 30         | 23.8 |
| 36         | 16.1 |
| 40         | 12.8 |
| 44         | 9.6  |
| 48         | 8.7  |
| 55         | 4.9  |
| 60         | 2.7  |

Capacities in metric tons with fixed jib (No. 1507.20) 124 t counterweight + 52.6 t carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.



Lift chart - fixed jib 8 m

(No. 1507.20) offset 30°

124 t counterweight, 52.6 t carbody counterweight and 120 t suspended counterweight at 13 m radius

Main boom 44 m

| Radius (m) | (t)   |
|------------|-------|
| 13         | 116.5 |
| 14         | 113.7 |
| 16         | 109.2 |
| 18         | 105.3 |
| 20         | 100.4 |
| 24         | 93.6  |
| 26         | 90.0  |
| 28         | 86.9  |
| 30         | 83.7  |
| 32         | 77.4  |
| 36         | 67.0  |
| 40         | 58.7  |
| 44         | 51.8  |
| 48         | 46.1  |

Main boom 56 m

| Radius (m) | (t)   |
|------------|-------|
| 12         | 116.7 |
| 14         | 116.3 |
| 16         | 112.7 |
| 18         | 108.0 |
| 20         | 104.5 |
| 24         | 97.1  |
| 26         | 94.1  |
| 30         | 83.0  |
| 34         | 71.2  |
| 38         | 61.7  |
| 42         | 54.3  |
| 46         | 48.1  |
| 50         | 43.0  |
| 55         | 37.5  |

Main boom 62 m

| Radius (m) | (t)   |
|------------|-------|
| 11         | 112.3 |
| 14         | 111.0 |
| 16         | 109.8 |
| 18         | 106.3 |
| 20         | 103.5 |
| 24         | 98.3  |
| 26         | 95.1  |
| 30         | 82.6  |
| 34         | 70.7  |
| 38         | 61.2  |
| 42         | 53.8  |
| 46         | 47.6  |
| 50         | 42.5  |
| 60         | 32.5  |

Main boom 68 m

| Radius (m) | (t)   |
|------------|-------|
| 11         | 101.0 |
| 14         | 99.6  |
| 16         | 98.7  |
| 18         | 96.1  |
| 20         | 93.4  |
| 24         | 89.0  |
| 26         | 86.2  |
| 30         | 79.4  |
| 34         | 70.2  |
| 38         | 60.8  |
| 42         | 53.4  |
| 50         | 42.1  |
| 60         | 32.1  |
| 65         | 28.4  |

Main boom 74 m

| Radius (m) | (t)  |
|------------|------|
| 10.4       | 91.2 |
| 14         | 89.2 |
| 16         | 87.9 |
| 18         | 86.2 |
| 20         | 83.3 |
| 24         | 79.2 |
| 26         | 76.9 |
| 30         | 72.3 |
| 38         | 60.3 |
| 42         | 52.8 |
| 50         | 41.5 |
| 60         | 31.6 |
| 70         | 24.6 |
| 75         | 21.7 |

Main boom 80 m

| Radius (m) | (t)  |
|------------|------|
| 10.7       | 81.7 |
| 14         | 79.2 |
| 16         | 77.2 |
| 18         | 75.7 |
| 20         | 73.3 |
| 24         | 69.3 |
| 26         | 67.9 |
| 30         | 63.5 |
| 38         | 58.0 |
| 42         | 52.3 |
| 50         | 41.0 |
| 60         | 31.1 |
| 70         | 24.1 |
| 80         | 18.7 |

Main boom 86 m

| Radius (m) | (t)  |
|------------|------|
| 11         | 72.7 |
| 14         | 70.9 |
| 16         | 68.8 |
| 18         | 67.2 |
| 20         | 65.3 |
| 24         | 61.1 |
| 26         | 59.6 |
| 30         | 55.9 |
| 34         | 52.4 |
| 42         | 49.1 |
| 50         | 40.5 |
| 60         | 30.5 |
| 70         | 23.6 |
| 85         | 15.9 |

Main boom 92 m

| Radius (m) | (t)  |
|------------|------|
| 11.3       | 64.9 |
| 16         | 60.9 |
| 18         | 59.3 |
| 20         | 58.0 |
| 24         | 53.8 |
| 26         | 52.2 |
| 30         | 49.2 |
| 34         | 45.9 |
| 42         | 41.6 |
| 50         | 39.6 |
| 60         | 30.0 |
| 70         | 23.1 |
| 80         | 17.7 |
| 90         | 13.6 |

Main boom 98 m

| Radius (m) | (t)  |
|------------|------|
| 11.7       | 57.7 |
| 16         | 54.4 |
| 18         | 52.9 |
| 20         | 51.5 |
| 24         | 49.3 |
| 26         | 48.1 |
| 30         | 46.3 |
| 34         | 44.6 |
| 42         | 43.1 |
| 50         | 39.3 |
| 60         | 29.6 |
| 70         | 22.5 |
| 80         | 17.1 |
| 95         | 11.2 |

Main boom 104 m

| Radius (m) | (t)  |
|------------|------|
| 12         | 51.1 |
| 16         | 48.4 |
| 18         | 46.7 |
| 20         | 45.4 |
| 24         | 43.3 |
| 26         | 42.5 |
| 30         | 41.1 |
| 42         | 38.9 |
| 50         | 38.4 |
| 60         | 29.0 |
| 70         | 21.9 |
| 80         | 16.6 |
| 90         | 12.5 |
| 100        | 9.1  |

Main boom 110 m

| Radius (m) | (t)  |
|------------|------|
| 12.3       | 45.1 |
| 16         | 42.8 |
| 18         | 41.0 |
| 20         | 39.7 |
| 24         | 37.5 |
| 26         | 36.8 |
| 30         | 35.1 |
| 42         | 32.7 |
| 50         | 32.7 |
| 60         | 28.4 |
| 70         | 21.3 |
| 80         | 15.9 |
| 90         | 11.9 |
| 105        | 7.0  |

Main boom 113 m

| Radius (m) | (t)  |
|------------|------|
| 12.5       | 42.4 |
| 16         | 40.3 |
| 18         | 38.5 |
| 20         | 37.1 |
| 24         | 35.0 |
| 26         | 34.3 |
| 30         | 32.6 |
| 42         | 30.1 |
| 50         | 30.0 |
| 60         | 27.9 |
| 70         | 21.0 |
| 80         | 15.7 |
| 90         | 11.7 |
| 105        | 6.8  |

Capacities in metric tons with fixed jib (No. 1507.20) 124 t counterweight, 52.6 t carbody counterweight and 120 t suspended counterweight at 13 m radius . Above lift chart is for reference only.  
For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.



## Notice

[illegible]

